

Filed: June 16, 1997

RESPONSE TO OFFICE ACTION DATED SEPTEMBER 10, 2002

H
C
comet
M

creating a plurality of distinct routing lists for a telephony subscriber, each of said routing lists being associated with at least one originating source and comprising an ordered list of directory numbers where the subscriber can be reached;

wherein creating said plurality of distinct routing lists comprises:

receiving a first plurality of directory numbers for said subscriber;

receiving a first order for the directory numbers;

creating a first routing list;

receiving a first calling number;

associating the first calling number with the first routing list;

receiving a second plurality of directory numbers for said subscriber;

receiving a second order for the directory numbers;

creating a second routing list;

receiving a second calling number;

associating the second calling number with the second routing list;

receiving said call from an originating source;

identifying said originating source of said call;

selecting a routing list from said plurality of routing lists based on the identity of said originating source, wherein selecting the routing list comprises matching the identity of the originating source with a calling number associated with one of the plurality of distinct routing lists; and

directing said call sequentially to the directory numbers on said routing list selected.

C
H

2. (Twice Amended) The method of claim 1, wherein said selecting a routing list step further comprises:

retrieving a default routing list if the identity of the originating source does not match any of the calling numbers associated with the routing lists.

Filed: June 16, 1997

RESPONSE TO OFFICE ACTION DATED SEPTEMBER 10, 2002

G H 3 (Twice Amended) The method of claim 1, wherein identifying said originating source of said call further comprises:

requesting said originating source to provide an identification code; and receiving said identification code.

G H 4. (Thrice Amended) The method of claim 1, wherein said integrated computer telephony system provides a calling line identification service and identifying said originating source of said call further comprises:

receiving a calling line identification for said originating source; and using the calling line identification to identify the originating source.

C Y 11 (Six Times Amended) In a program module responsive to receiving communications for a personal number subscriber, a method for routing a communication to said subscriber, comprising:

H creating a plurality of distinct routing lists for a telephony subscriber, each of said routing lists comprising an ordered list of directory numbers where the subscriber may be reached and being associated with at least one originating source;

wherein creating said plurality of distinct routing lists comprises:

receiving a first plurality of directory numbers for said subscriber;

receiving a first order for the directory numbers;

creating a first routing list;

receiving a first calling number;

associating the first calling number with the first routing list;

receiving a second plurality of directory numbers for said subscriber;

receiving a second order for the directory numbers;

creating a second routing list;

receiving a second calling number;

would H
associating the second calling number with the second routing list;
receiving a communication directed to a personal number from an originating party;
identifying said originating party of said communication;
selecting a routing list from said plurality of routing lists based on the identity of said
originating party, wherein selecting the routing list comprises matching the identity of the
originating party with a directory number associated with one of the plurality of distinct routing
lists; and
directing said communication sequentially to the directory numbers on said routing list.

12. ~~x~~ (Twice Amended) The method of claim ~~5~~ ¹¹ wherein said selecting a routing
list step further comprises:

H retrieving a default routing list if the identity of the originating party does not match
any of the calling numbers associated with the routing lists.

13. ~~x~~ (Twice Amended) The method of claim ~~5~~ ¹¹ wherein identifying said
originating party of said communication further comprises:

requesting said originating party to enter an identification code; and
receiving said identification code.

14. ~~x~~ (Six Times Amended) A computer system for routing calls for a personal number
subscriber based on the calling line identification of an originating party, comprising:
H a processing unit;
a memory storage device operative to store a plurality of routing lists for said personal
number subscriber by:

receiving a first plurality of directory numbers for said subscriber;
receiving a first order for the directory numbers;
creating a first routing list;

Filed: June 16, 1997

RESPONSE TO OFFICE ACTION DATED SEPTEMBER 10, 2002

AB would

receiving a first calling number;
associating the first calling number with the first routing list;
receiving a second plurality of directory numbers for said subscriber;
receiving a second order for the directory numbers;
creating a second routing list;
receiving a second calling number; and
associating the second calling number with the second routing list;

H

a receiving interface device coupled to said processing unit for receiving calls;
a transmitting interface device coupled to said processing unit for placing calls;
said processing unit being operative to:
receive a call on said receiving interface device from an originating party, said call being directed to said personal number subscriber;
detect a calling line identification for said originating party;
retrieve a routing list associated with the calling line identification from said memory storage device based on the identity of said originating party;
retrieve a default routing list from said memory storage device if the associated routing list does not exist or the calling number is not associated with a routing list; and
direct said call sequentially to the directory numbers on said routing list.

G7

19. N. (Once Amended) *18* The computer system of claim *N*, wherein said processing unit directs said call sequentially to the directory numbers on said retrieved routing list by:
(a) selecting a first directory number from said routing list;
(b) routing said call to said first directory number;
(c) receiving communication disposition information from said first directory number; and

Filed: June 16, 1997

RESPONSE TO OFFICE ACTION DATED SEPTEMBER 10, 2002

C7 *H*
would

(d) if said communication disposition indicates said retrieved routing step failed, selecting a next directory number from said routing list and repeating steps (b)-(d) at said next directory number.

CS *H*
20.13. (Six Times Amended) A computer-readable medium on which is stored a computer program for selecting a routing list and directing a call based on an identifying criteria, and a data file containing a plurality of routing lists for a called party, wherein each of said routing lists comprises a plurality of directory numbers where the subscriber can be reached, said directory numbers being in an order determined by the subscriber, said computer program comprising instructions which, when executed by a computer, perform the steps of:

creating a plurality of distinct routing lists for a telephony subscriber, each of said routing lists comprising an ordered list of directory numbers where the subscriber can be reached and being associated with at least one originating source;

wherein creating said plurality of distinct routing lists comprises:

receiving a first plurality of directory numbers for said subscriber;

receiving a first order for the directory numbers;

creating a first routing list;

receiving a first calling number;

associating the first calling number with the first routing list;

receiving a second plurality of directory numbers for said subscriber;

receiving a second order for the directory numbers;

creating a second routing list;

receiving a second calling number; and

associating the second calling number with the second routing list;

receiving a communication for said called party;

obtaining said identifying criteria from said communication;

retrieving a routing list from said data file based on said identifying criteria; and

Filed: June 16, 1997

RESPONSE TO OFFICE ACTION DATED SEPTEMBER 10, 2002

(C8)
comedy *H*
directing said communication sequentially to the directory numbers listed on said routing
list.

(C9)
H
5. ~~N~~ (Twice Amended) The method of claim 1, wherein identifying said
originating source of said call further comprises:

requesting said originating source to provide a speech sample; and
receiving said speech sample.

H
17. ~~N~~ (Twice Amended) The method of claim ~~5~~, wherein identifying said
originating party of said communications further comprises:

requesting said originating party to enter a speech sample; and
receiving said speech sample.

VERSION WITH MARKINGS TO SHOW CHANGES MADE

AMENDMENTS IN THE CLAIMS

In accordance with 37 CFR 1.121(c), the following versions of the claims as rewritten by the foregoing amendment show all the changes made relative to the previous versions of the claims.

Please rewrite claims 1-7, 11-13 and 17-18 as follows:

1. (Six Times Amended) In an integrated computer telephony system including a call routing system, a method for routing a call based on the identity of an originating source of said call, comprising:

creating a plurality of distinct routing lists for a telephony subscriber, each of said routing lists being associated with at least one originating source and comprising an ordered list of directory numbers where the subscriber can be reached;

wherein creating [a] said plurality of distinct routing lists comprises:

receiving a first plurality of directory numbers for [a] said subscriber;

receiving a first order for the directory numbers;

creating a first routing list;

receiving a first calling number;

associating the first calling number with the first routing list;

receiving a second plurality of directory numbers for [a] said subscriber;

receiving a second order for the directory numbers;

creating a second routing list;

receiving a second calling number;

associating the second calling number with the second routing list;

receiving said call from [a first] an originating source;

identifying said [first] originating source of said call;

selecting a routing list from said plurality of routing lists based on the identity of said [first] originating source, wherein selecting the routing list comprises matching the identity of the [first] originating source with a calling number associated with one of the plurality of distinct routing lists; and

directing said call sequentially to the directory numbers on said routing list selected.

2. (Twice Amended) The method of claim 1, wherein said selecting a routing list step further comprises [the steps of]:

[detecting a directory number of said originating source;

retrieving an associated routing list for said originating source based on said directory number; and]

retrieving a default routing list if [said associated routing list does not exist] the identity of the originating source does not match any of the calling numbers associated with the routing lists.

3. (Twice Amended) The method of claim 1, wherein [said selecting a routing list step] identifying said originating source of said call further comprises [the steps of]:

requesting said originating source to provide an identification code; and

receiving said identification code[;

retrieving an associated routing list for said originating source based on said identification code; and

retrieving a default routing list if said associated routing list does not exist].

4. (Thrice Amended) The method of claim 1, wherein said integrated computer telephony system provides a calling line identification service and [said selecting a routing list step] identifying said originating source of said call further comprises [the steps of]:

receiving a calling line identification for said originating source; and

using the calling line identification to identify the originating source.

[retrieving an associated routing list for said originating source based on said calling line identification; and

retrieving a default routing list if said associated routing list does not exist.]

5. (Six Times Amended) In a program module responsive to receiving communications for a personal number subscriber, a method for routing a communication to said subscriber, comprising:

creating a plurality of distinct routing lists for a telephony subscriber, each of said routing lists comprising an ordered list of directory numbers where the subscriber may be reached and being associated with at least one originating source ;

wherein creating [a] said plurality of distinct routing lists comprises:

receiving a first plurality of directory numbers for [a] said subscriber;

receiving a first order for the directory numbers;

creating a first routing list;

receiving a first calling number;

associating the first calling number with the first routing list;

receiving a second plurality of directory numbers for [a] said subscriber;

receiving a second order for the directory numbers;

creating a second routing list;

receiving a second calling number;

associating the second calling number with the second routing list;

[identifying said first originating source of said call;]

receiving a communication directed to a personal number from [a first] an originating party;

identifying said originating party of said communication;

selecting a routing list from said plurality of routing lists based on the identity of said [first] originating party, wherein selecting the routing list comprises matching the identity of the [first] originating [source] party with a directory number associated with one of the plurality of distinct routing lists; and

directing said communication sequentially to the directory numbers on said routing list.

6. (Twice Amended) The method of claim 5, wherein said selecting a routing list step further comprises [the steps of]:

[detecting a directory number for said originating party;
retrieving an associated routing list for said originating party based on said directory number; and]

retrieving a default routing list if [said associated routing list does not exist] the identity of the originating party does not match any of the calling numbers associated with the routing lists.

7. (Twice Amended) The method of claim 5, wherein [said selecting a routing list step] identifying said originating party of said communication further comprises [the steps of]:

requesting said originating party to enter an identification code; and
receiving said identification code[;
retrieving an associated routing list for said originating party based on said identification code and said personal number; and
retrieving a default routing list if said associated routing list does not exist].

11. (Six Times Amended) A computer system for routing calls for a personal number subscriber based on the calling line identification of an originating party, comprising:

a processing unit;

a memory storage device operative to store a plurality of routing lists for said personal number subscriber by[:] :

receiving a first plurality of directory numbers for [a] said subscriber;

receiving a first order for the directory numbers;

creating a first routing list;

receiving a first calling number;

associating the first calling number with the first routing list;

receiving a second plurality of directory numbers for [a] said subscriber;

receiving a second order for the directory numbers;

creating a second routing list;

receiving a second calling number; and

associating the second calling number with the second routing list;

a receiving interface device coupled to said processing unit for receiving calls;

a transmitting interface device coupled to said processing unit for placing calls;

said processing unit being operative to:

receive a call on said receiving interface device from an originating party, said call being directed to said personal number subscriber;

detect a calling line identification for said originating party;

retrieve the first routing list associated with the first calling number from said memory storage device if the calling line identification corresponds to said first calling number;

retrieve a default routing list from said memory storage device if the calling number is not associated with one of the routing lists; and

direct said call sequentially to the directory numbers on said retrieved routing list.

12. (Once Amended) The computer system of claim 11, wherein said processing unit directs said call [setup request] sequentially to the directory numbers on said retrieved routing list by:

(a) selecting a first directory number from said routing list;
(b) routing said call to said first directory number;
(c) receiving communication disposition information from said first directory number; and
(d) if said communication disposition indicates said retrieved routing step failed, selecting a next directory number from said routing list and repeating steps (b)-(d) at said next directory number.

13. (Six Times Amended) A computer-readable medium on which is stored a computer program for selecting a routing list and directing a call based on an identifying criteria, and a data file containing a plurality of routing lists for a called party, wherein each of said routing lists comprises a plurality of directory numbers where the subscriber can be reached, said directory numbers being in an order determined by the subscriber, said computer program comprising instructions which, when executed by a computer, perform the steps of:

creating a plurality of distinct routing lists for a telephony subscriber, each of said routing lists comprising an ordered list of directory numbers where the subscriber can be reached and being associated with at least one originating source;

wherein creating [a] said plurality of distinct routing lists comprises:

receiving a first plurality of directory numbers for [a] said subscriber;
receiving a first order for the directory numbers;
creating a first routing list;
receiving a first calling number;
associating the first calling number with the first routing list;
receiving a second plurality of directory numbers for [a] said subscriber;
receiving a second order for the directory numbers;
creating a second routing list;
receiving a second calling number; and

associating the second calling number with the second routing list;
receiving a communication for said called party;
obtaining said identifying criteria from said communication;
retrieving a routing list from said data file based on said identifying criteria; and
directing said communication sequentially to the directory numbers listed on said routing list.

17. (Twice Amended) The method of claim 1, wherein [said selecting a routing list step] identifying said originating source of said call further comprises [the steps of]:
requesting said originating source to provide a speech sample; and
receiving said speech sample[;
retrieving an associated routing list for said originating source based on the speech sample; and
retrieving a default routing list if said associated routing list does not exist].

18. (Twice Amended) The method of claim 5, wherein [said selecting a routing list step] identifying said originating party of said communications further comprises [the steps of]:
requesting said originating party to enter a speech sample; and
receiving said speech sample[;
retrieving an associated routing list for said originating party based on the speech sample and said personal number; and
retrieving a default routing list if said associated routing list does not exist].